RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/526,151

Source: PCT

Date Processed by STIC: 3-9-05

ENTERED

PCT

RAW SEQUENCE LISTING   DATE: 03/09/2005
PATENT APPLICATION: US/10/526,151   TIME: 15:19:08

Input Set : A:\seqlist.txt
Output Set: N:\CRF4\03092005\J526151.raw

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 4 <110> APPLICANT: ASHMAN, Claire
 5        ELLIS, Jonathan Henry
 7 <120> TITLE OF INVENTION: VACCINE COMPRISING IL-13 AND AN ADJUVANT
10 <130> FILE REFERENCE: PG4939A
12 <140> CURRENT APPLICATION NUMBER: US/10/526,151
13 <141> CURRENT FILING DATE: 2005-02-28
15 <150> PRIOR APPLICATION NUMBER: PCT/GB03/003721
16 <151> PRIOR FILING DATE: 2003-08-28
18 <150> PRIOR APPLICATION NUMBER: GB 0304672.9
19 <151> PRIOR FILING DATE: 2003-02-28
21 <150> PRIOR APPLICATION NUMBER: GB 0220211.7
22 <151> PRIOR FILING DATE: 2002-08-30
24 <160> NUMBER OF SEQ ID NOS: 68
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 112
30 <212> TYPE: PRT
31 <213> ORGANISM: Homo Sapien IL-13
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36 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
37              20                  25                  30
38 Val Trp Ser Ile Asn Leu Thr Ala Gly Met Tyr Cys Ala Ala Leu Glu
39          35                  40                  45
40 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
41      50                  55                  60
42 Met Leu Ser Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
43 65                  70                  75                  80
44 Ser Leu His Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Lys
45                  85                  90                  95
46 Asp Leu Leu Leu His Leu Lys Lys Leu Phe Arg Glu Gly Arg Phe Asn
47                  100                 105                 110
50 <210> SEQ ID NO: 2
51 <211> LENGTH: 111
52 <212> TYPE: PRT
53 <213> ORGANISM: Murine IL-13
55 <400> SEQUENCE: 2
56 Gly Pro Val Pro Arg Ser Val Ser Leu Pro Leu Thr Leu Lys Glu Leu
57  1               5                  10                  15
58 Ile Glu Glu Leu Ser Asn Ile Thr Gln Asp Gln Thr Pro Leu Cys Asn
59              20                  25                  30
60 Gly Ser Met Val Trp Ser Val Asp Leu Ala Ala Gly Gly Phe Cys Val
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61          35                  40                  45
62 Ala Leu Asp Ser Leu Thr Asn Ile Ser Asn Cys Asn Ala Ile Tyr Arg
63     50                  55                  60
64 Thr Gln Arg Ile Leu His Gly Leu Cys Asn Arg Lys Ala Pro Thr Thr
65 65                  70                  75                  80
66 Val Ser Ser Leu Pro Asp Thr Lys Ile Glu Val Ala His Phe Ile Thr
67                 85                  90                  95
68 Lys Leu Leu Ser Tyr Thr Lys Gln Leu Phe Arg His Gly Pro Phe
69                 100                 105                 110
72 <210> SEQ ID NO: 3
73 <211> LENGTH: 111
74 <212> TYPE: PRT
75 <213> ORGANISM: Porcine IL-13
77 <400> SEQUENCE: 3
78 Gly Pro Val Pro Pro His Ser Thr Ala Leu Lys Glu Leu Ile Glu Glu
79 1              5                  10                  15
80 Leu Val Asn Ile Thr Gln Asn Gln Lys Thr Pro Leu Cys Asn Gly Ser
81                 20                  25                  30
82 Met Val Trp Ser Val Asn Leu Thr Thr Ser Met Gln Tyr Cys Ala Ala
83                 35                  40                  45
84 Leu Glu Ser Leu Ile Asn Ile Ser Asp Cys Ser Ala Ile Gln Lys Thr
85     50                  55                  60
86 Gln Arg Met Leu Ser Ala Leu Cys Ser His Lys Pro Pro Ser Glu Gln
87 65                  70                  75                  80
88 Val Pro Gly Lys His Ile Arg Asp Thr Lys Ile Glu Val Ala Gln Phe
89                 85                  90                  95
90 Val Lys Asp Leu Leu Lys His Leu Arg Met Ile Phe Arg His Gly
91                 100                 105                 110
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 112
96 <212> TYPE: PRT
97 <213> ORGANISM: Bovine IL-13
99 <400> SEQUENCE: 4
100 Ser Pro Val Pro Ser Ala Thr Ala Leu Lys Glu Leu Ile Glu Glu Leu
101 1              5                  10                  15
102 Val Asn Ile Thr Gln Asn Gln Lys Val Pro Leu Cys Asn Gly Ser Met
103                 20                  25                  30
104 Val Trp Ser Leu Asn Leu Thr Ser Ser Met Tyr Cys Ala Ala Leu Asp
105                 35                  40                  45
106 Ser Leu Ile Ser Ile Ser Asn Cys Ser Val Ile Gln Arg Thr Lys Lys
107     50                  55                  60
108 Met Leu Asn Ala Leu Cys Pro His Lys Pro Ser Ala Lys Gln Val Ser
109 65                  70                  75                  80
110 Ser Glu Tyr Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Leu Lys
111                 85                  90                  95
112 Asp Leu Leu Arg His Ser Arg Ile Val Phe Arg Asn Glu Arg Phe Asn
113                 100                 105                 110
116 <210> SEQ ID NO: 5
117 <211> LENGTH: 111
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118 <212> TYPE: PRT
119 <213> ORGANISM: Canine IL-13
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124 Val Asn Ile Thr Gln Asn Gln Ala Ser Leu Cys Asn Gly Ser Met Val
125             20                  25                  30
126 Trp Ser Val Asn Leu Thr Ala Gly Met Tyr Cys Ala Ala Leu Glu Ser
127         35                  40                  45
128 Leu Ile Asn Val Ser Asp Cys Ser Ala Ile Gln Arg Thr Gln Arg Met
129     50                  55                  60
130 Leu Lys Ala Leu Cys Ser Gln Lys Pro Ala Ala Gly Gln Ile Ser Ser
131 65                  70                  75                  80
132 Glu Arg Ser Arg Asp Thr Lys Ile Glu Val Ile Gln Leu Val Lys Asn
133             85                  90                  95
134 Leu Leu Thr Tyr Val Arg Gly Val Tyr Arg His Gly Asn Phe Arg
135             100                 105                 110
138 <210> SEQ ID NO: 6
139 <211> LENGTH: 111
140 <212> TYPE: PRT
141 <213> ORGANISM: Rat IL-13
143 <400> SEQUENCE: 6
144 Gly Pro Val Arg Arg Ser Thr Ser Pro Pro Val Ala Leu Arg Glu Leu
145  1               5                   10                  15
146 Ile Glu Glu Leu Ser Asn Ile Thr Gln Asp Gln Lys Thr Ser Leu Cys
147             20                  25                  30
148 Asn Ser Ser Met Val Trp Ser Val Asp Leu Thr Ala Gly Gly Phe Cys
149         35                  40                  45
150 Ala Ala Leu Glu Ser Leu Thr Asn Ile Ser Ser Cys Asn Ala Ile His
151     50                  55                  60
152 Arg Thr Gln Arg Ile Leu Asn Gly Leu Cys Asn Gln Lys Ala Ser Asp
153 65                  70                  75                  80
154 Val Ala Ser Ser Pro Pro Asp Thr Lys Ile Glu Val Ala Gln Phe Ile
155             85                  90                  95
156 Ser Lys Leu Leu Asn Tyr Ser Lys Gln Leu Phe Arg Tyr Gly His
157             100                 105                 110
160 <210> SEQ ID NO: 7
161 <211> LENGTH: 111
162 <212> TYPE: PRT
163 <213> ORGANISM: Cynomolgus IL-13
165 <400> SEQUENCE: 7
166 Ser Pro Val Pro Pro Ser Thr Ala Leu Lys Glu Leu Ile Glu Glu Leu
167  1               5                   10                  15
168 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
169             20                  25                  30
170 Val Trp Ser Ile Asn Leu Thr Ala Gly Val Tyr Cys Ala Ala Leu Glu
171         35                  40                  45
172 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
173     50                  55                  60.
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174 Met Leu Asn Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
175 65                  70                  75                  80
176 Ser Leu Arg Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Lys
177                 85                  90                  95
178 Asp Leu Leu His Leu Lys Lys Leu Phe Arg Glu Gly Gln Phe Asn
179             100                 105                 110
182 <210> SEQ ID NO: 8
183 <211> LENGTH: 112
184 <212> TYPE: PRT
185 <213> ORGANISM: Rhesus IL-13
187 <400> SEQUENCE: 8
188 Ser Pro Val Pro Arg Ser Thr Ala Leu Lys Glu Leu Ile Glu Glu Leu
189 1               5                  10                  15
190 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
191             20                  25                  30
192 Val Trp Ser Ile Asn Leu Thr Ala Gly Val Tyr Cys Ala Ala Leu Glu
193         35                  40                  45
194 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
195     50                  55                  60
196 Met Leu Asn Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
197 65                  70                  75                  80
198 Ser Leu Arg Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Lys
199                 85                  90                  95
200 Asp Leu Leu Val His Leu Lys Lys Leu Phe Arg Glu Gly Arg Phe Asn
201             100                 105                 110
204 <210> SEQ ID NO: 9
205 <211> LENGTH: 112
206 <212> TYPE: PRT
207 <213> ORGANISM: Marmoset IL-13
209 <400> SEQUENCE: 9
210 Gly Pro Val Pro Pro Tyr Thr Ala Leu Lys Glu Leu Ile Glu Glu Leu
211 1               5                  10                  15
212 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
213             20                  25                  30
214 Val Trp Ser Ile Asn Met Thr Ala Gly Val Tyr Cys Ala Ala Leu Glu
215         35                  40                  45
216 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
217     50                  55                  60
218 Met Leu Ser Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
219 65                  70                  75                  80
220 Ser Leu Leu Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Lys
221             85                  90                  95
222 Asp Leu Leu Arg His Leu Arg Lys Leu Phe His Gln Gly Thr Phe Asn
223             100                 105                 110
226 <210> SEQ ID NO: 10
227 <211> LENGTH: 112
228 <212> TYPE: PRT
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
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Input Set : **A:\seqlist.txt**
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232 <223> OTHER INFORMATION: Chimaeric Homo Sapien IL-13
234 <400> SEQUENCE: 10
235 Gly Pro Val Pro Pro Ser Ser Ala Leu Lys Glu Leu Ile Glu Glu Leu
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237 Ala Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
238             20                  25                  30
239 Val Trp Ser Ile Asn Leu Thr Ala Gly Met Tyr Cys Ala Ala Leu Asp
240         35                  40                  45
241 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Arg Thr Gln Arg
242     50                  55                  60
243 Ile Leu Ser Ala Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
244 65                  70          ·       75                  80
245 Ser Leu Arg Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Thr
246             85                  90                  95
247 Asp Leu Leu Val His Leu Lys Arg Leu Phe Arg Gln Gly Thr Phe Asn
248             100                 105                 110
251 <210> SEQ ID NO: 11
252 <211> LENGTH: 121
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Chimaeric Homo Sapien IL-13
259 <400> SEQUENCE: 11
260 Gly Pro Val Pro Pro Ser Thr Ala Leu Arg Glu Leu Ile Glu Glu Leu
261 1               5                   10                  15
262 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
263             20                  25                  30
264 Val Trp Ser Ile Asn Leu Thr Ala Gly Met Tyr Cys Ala Ala Leu Glu
265         35                  40                  45
266 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
267     50                  55                  60
268 Met Leu Gly Gly Phe Cys Pro His Lys Phe Asn Asn Phe Thr Val Ser
269 65                  70                  75                  80
270 Phe Trp Leu Arg Val Pro Lys Val Ser Ala Ser His Leu Glu Asp Thr
271             85                  90                  95
272 Lys Ile Glu Val Ala Gln Phe Val Lys Asp Leu Leu Leu His Leu Lys
273             100                 105                 110
274 Lys Leu Phe Arg Glu Gly Arg Phe Asn
275         115                 120
278 <210> SEQ ID NO: 12
279 <211> LENGTH: 133
280 <212> TYPE: PRT
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Chimaeric Homo Sapien IL-13
286 <400> SEQUENCE: 12
287 Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys Val Ser
288 1               5                   10                  15
289 Ala Ser His Leu Glu Gly Pro Val Pro Pro Ser Thr Ala Leu Arg Glu
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VERIFICATION SUMMARY   DATE: 03/09/2005
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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number